

Amendments to Claims

1. (Currently Amended) An antistatic polymer composition characterized in that it comprises:

(A) one or more polymers selected from the group consisting of polyester, polycarbonate, polyamide, polyoxymethylene, polyphenylene sulfide, and compounds of polyphenylene oxide and polystyrene;

(B) an ion-conductive polyether-based polymer polyetherester amide;

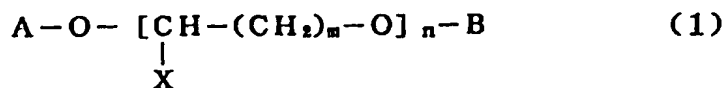
(C) an ion source comprising: (i) a source of at least one carboxyl group or sulfo group being selected from the group consisting of hydrocarbon acids containing 6-54 carbon atoms, sulfonic acids and organic polymers with at least one carboxyl group or sulfo group; and (ii) a source of at least one metal ion that is selected from the group consisting of sodium ion, potassium ion, ammonium ion, lithium ion, magnesium ion, calcium ion, copper ion, and zinc ion and that can react with the carboxyl groups or sulfo group of (i), solid electrolytes or polymer electrolytes; and

(D) a plasticizer of the aforementioned ion-conductive ~~polyether-based polymer~~ polyetherester amide (B);

provided that said composition has a surface resistivity of 10^7 to $10^{13} \Omega$ when measured according to ASTM test method D257.

2. (Original) The antistatic polymer composition of Claim 1 characterized in that the ion-conductive polyether-based polymer (B) is a polyetherester amide.

3. (Currently Amended) The antistatic polymer composition of Claim 1 characterized in that plasticizer (D) of the ~~polyester-system ion-conducting polymer~~ ion conductive polyetherester amide (B) is a plasticizer represented by formula (1)



wherein m is an integer of 1-3, n is an integer of 4-25, A is a C₁-C₁₀ alkyl, acyl, or aroyl, B is a C₁-C₁₀ alkyl, acyl, or aroyl, and X is H, CH₃, or C₂H₅.

4. (Currently Amended) The antistatic polymer composition of Claim 1 characterized in that it contains 40.0-98.4 wt% of polymer (A), 1.0-35.0 wt% of ion conductive polyether-based polymer polyetherester amide (B), 0.1-15.0 wt% of ion source (C), and 0.5-10.0 wt% of plasticizer (D) with respect to the weight of the composition as a whole.
5. (Original) Moldings characterized in that they are molded from the antistatic polymer composition of Claim 1.
6. (Original) Transfer medium-separating guide parts for electrophotographic devices characterized in that they are molded from the antistatic polymer composition of Claim 1.
7. (Currently Amended) A molded article made from the composition of claim 4 ~~having surface resistivity in the range of 10^{-7} to 10^{-13} ohms, as measured under ASTM D 257 and being applied~~ having an electrostatic painting applied directly on a surface thereof.
8. (Currently Amended) An antistatic polymer composition characterized in that it comprises:
 - (A) one or more polymers selected from the group consisting of ABS (~~acrylonitrile butadiene styrene~~), polyethylene, polypropylene, polypropylene copolymer and EPDM(ethylene/propylene/diene) elastomer;
 - (B) ~~a polyether system ion conducting polymer~~ an ion conductive polyetherester amide;
 - (C) an ion source comprising: (i) a source of at least one carboxyl group or sulfo group being selected from the group consisting of hydrocarbon acids containing 6-54 carbon atoms, sulfonic acids and organic polymers with at least one bonded carboxyl group or sulfo group, and (ii) a source of at least one metal ion that is selected from the group consisting of sodium ion, potassium ion, ammonium ion, lithium ion, magnesium ion, calcium ion, copper ion, and zinc ion and that can react with the carboxyl groups or sulfo group of (i), solid electrolytes or polymer electrolytes; and

(D) a plasticizer of the aforementioned ~~ion-conductive polyether-based polymer (B)~~ ion conductive polyetherester amide (B);
provided that said composition has a surface resistivity of 10^7 to $10^{13} \Omega$ when measured according to ASTM test method D257.

9. Cancel claim 9.

10. (Original) A molded article made form the compositon of Claim 8.

11. (New) The antistatic polymer composition of claim 1, wherein component (D) is present in an amount of about 0.5-10.0 wt% with respect to the weight of the antistatic polymer composition.

12. (New) The antistatic polymer composition of claim 1, wherein in component (C)(ii), the source of at least one metal ion comprises sodium ion, potassium ion, or lithium ion.

13. (New) The antistatic polymer composition of claim 1, wherein in component (C)(i), the source of at least one carboxyl group or sulfo group is selected from the group consisting of hydrocarbon acids containing 25-54 carbon atoms.

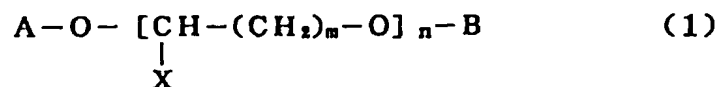
14. (New) The antistatic polymer composition of claim 1, wherein component (C) comprises an ion source comprising: (i) a source of at least one carboxyl group being selected from the group consisting of hydrocarbon acids containing 6-54 carbon atoms and organic polymers with at least one bonded carboxyl group, and (ii) a source of at least one metal ion that is selected from the group consisting of sodium ion, potassium ion, lithium ion, magnesium ion, and zinc ion and that can react with the carboxyl groups of (i) , solid electrolytes or polymer electrolytes.

15. (New) The antistatic polymer composition of claim 1, wherein component (C) comprises ionomers composed of organic ionic hydrocarbon copolymers of α -olefins with 2-5 carbon atoms and α,β -ethylenically unsaturated carboxylic acids with 3-5

carbon atoms whose carboxyl groups are at least partially neutralized with sodium or potassium cations.

16. (New) The antistatic polymer composition of Claim 8 characterized in that the ion-conductive polyether-based polymer (B) is a polyetherester amide.

17. (New) The antistatic polymer composition of Claim 8 characterized in that plasticizer (D) of the ion conductive polyetherester amide (B) is a plasticizer represented by formula (1)



wherein m is an integer of 1-3, n is an integer of 4-25, A is a C₁-C₁₀ alkyl, acyl, or aroyl, B is a C₁-C₁₀ alkyl, acyl, or aroyl, and X is H, CH₃, or C₂H₅.

18. (New) The antistatic polymer composition of Claim 8 characterized in that it contains 40.0-98.4 wt% of polymer (A), 1.0-35.0 wt% of ion-conductive polyetherester amide (B), 0.1-15.0 wt% of ion source (C), and 0.5-10.0 wt% of plasticizer (D) with respect to the weight of the composition as a whole.